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can include measuring a current state of charge of an energy storage device **111**, measuring a rate of production of energy from a charging source, or measuring energy consumption by one or more components of hardware.

Computing system **1100** may also be coupled via bus **1105** to display device **1150**, such as a cathode ray tube (CRT) or liquid crystal display (LCD), to display information to a user. Computing system **1100** can also include an alphanumeric input device **1160**, including alphanumeric and other keys, which may be coupled to bus **1105** to communicate information and command selections to processor(s) **1110**. Another type of user input device is cursor control **1170**, such as a touchpad, a mouse, a trackball, or cursor direction keys to communicate direction information and command selections to processor(s) **1110** and to control cursor movement on display device **1150**.

Computing system **1100** further may include one or more network interface(s) **1180** to provide access to a network, such as a local area network. Network interface(s) **1180** may include, for example, a wireless network interface having antenna **1185**, which may represent one or more antenna(e). Computing system **1100** can include multiple wireless network interfaces such as a combination of WiFi, Bluetooth® and cellular telephony interfaces. Network interface(s) **1180** may also include, for example, a wired network interface to communicate with remote devices via network cable **1187**, which may be, for example, an Ethernet cable, a coaxial cable, a fiber optic cable, a serial cable, or a parallel cable.

In one embodiment, network interface(s) **1180** may provide access to a local area network, for example, by conforming to IEEE 802.11 b and/or IEEE 802.11 g standards, and/or the wireless network interface may provide access to a personal area network, for example, by conforming to Bluetooth standards. Other wireless network interfaces and/or protocols can also be supported. In addition to, or instead of, communication via wireless LAN standards, network interface(s) **1180** may provide wireless communications using, for example, Time Division, Multiple Access (TDMA) protocols, Global System for Mobile Communications (GSM) protocols, Code Division, Multiple Access (CDMA) protocols, and/or any other type of wireless communications protocol.

In the foregoing specification, the invention has been described with reference to specific embodiments thereof. It will, however, be evident that various modifications and changes can be made thereto without departing from the broader spirit and scope of the invention. The specification and drawings are, accordingly, to be regarded in an illustrative rather than a restrictive sense.

What is claimed is:

1. A method comprising:

at an electronic device:

determining historical application usage data for a first application installed on the electronic device; and

in response to determining the historical application usage data for the first application:

in accordance with a determination that first power modification criteria are satisfied based on the historical application usage data for the first application, modifying a power consumption characteristic associated with a future operation of the first application on the electronic device; and

in accordance with a determination that the first power modification criteria are not satisfied based on the historical application usage data for the first application, forgoing modifying the power consumption

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characteristic associated with the future operation of the first application on the electronic device.

2. The method of claim 1, wherein the power consumption characteristic comprises a power mode of the electronic device.

3. The method of claim 1, further comprising:

receiving an input for launching the first application; and in response to receiving the input, launching the first application, wherein:

in accordance with the determination that the first power modification criteria are satisfied based on the historical application usage data for the first application, the input was received while the power consumption characteristic was modified; and

in accordance with the determination that the first power modification criteria are not satisfied based on the historical application usage data for the first application, the input was received while the power consumption characteristic was unmodified.

4. The method of claim 1, wherein the modified power consumption characteristic is a lower power consumption characteristic than the unmodified power consumption characteristic.

5. The method of claim 1, wherein the first power modification criteria comprises a criterion that is satisfied based on a timing of historical launches of the first application.

6. The method of claim 1, wherein the first power modification criteria comprises a criterion that is satisfied based on a predicted timing of future launching of the first application.

7. The method of claim 1, wherein modifying the power consumption characteristic comprises performing an action associated with notifications on the electronic device.

8. The method of claim 1, wherein the first power modification criteria comprises a criterion that is satisfied based on:

determining recent application usage data based on recent usage of the first application; and

comparing the recent application usage data to the historical application usage data for the first application.

9. An electronic device, comprising:

one or more processors;

memory; and

one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the one or more processors, the one or more programs including instructions for:

determining historical application usage data for a first application installed on the electronic device; and

in response to determining the historical application usage data for the first application:

in accordance with a determination that first power modification criteria are satisfied based on the historical application usage data for the first application, modifying a power consumption characteristic associated with a future operation of the first application on the electronic device; and

in accordance with a determination that the first power modification criteria are not satisfied based on the historical application usage data for the first application, forgoing modifying the power consumption characteristic associated with the future operation of the first application on the electronic device.

10. The electronic device of claim 9, wherein the power consumption characteristic comprises a power mode of the electronic device.